Appl. No 10/614,261
Amdt. Dated Jun. 8, 2007
Reply to Final Office Action of Dec. 11, 2006

CLAIM AMENDMENTS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Please amend the claims as follows:

Claims 1 – 17 (canceled)

Claims 18 – 25 (withdrawn)

Claim 26. An apparatus for controlling a computer by tracking the motion of a body comprising:

a. a laser,

b. a laser-speckle pattern generating means,

c. an optically-sensed digitally-autocorrelated navigation chip receiving means for receiving the laser-speckle pattern, and generating signals to control a computer.

Claim 27. The apparatus of Claim 26 where said laser and said laser-speckle pattern generating means are combined as a first rigid unit projecting a laser-speckle pattern which moves in correspondence to the movement of the first rigid unit.

Claim 28. The first rigid unit of Claim 27 where said laser-speckle pattern is projected onto the optically-sensed digitally-autocorrelated navigation chip of Claim 26.

Claim 29. The first rigid unit of Claim 28 where the output of said optically-sensed digitally-autocorrelated navigation chip communicates computer controlling signals to a computer indicative of the motion of the first rigid unit.

Claim 30. The first rigid unit of Claim 27 where said first rigid unit may be rigidly attached to a further body thus enabling the computer registering of motion parameters of said further body.

Claim 31. The apparatus of Claim 26 where said laser and receiving means are combined as a second rigid unit and arranged such that the laser beam of said laser points to an area in front of but not into the receiving means of Claim 26.

Claim 32. The second rigid unit of Claim 31 where said laser beam points to an object generating a laser-speckle pattern moving in correspondence to the motion of the object and which enters the receiving means of Claim 26.

Claim 33. The second rigid unit of Claim 31 where the output of said optically-sensed digitally-autocorrelated navigation chip communicates computer controlling signals to a computer indicative of the motion of the object of Claim 32.